

REMARKS

This Application has been carefully reviewed in light of the Office Action dated August 27, 2004. In order to advance prosecution of the present Application, Claims 1, 9, and 22 have been amended. Applicant respectfully requests reconsideration and favorable action for this Application.

Claims 1-4, 6, 7, 9-13, 15, 16, 18-20, 22, and 24 stand rejected under 35 U.S.C. §102(e) as being anticipated by Barroso, et al. Independent Claims 1, 9, and 22 recite in general the ability for the input/output element to participate in coherence through timed access to data in the processor memory system. By contrast, The Barroso, et al. application merely maintains coherence whenever data is changed and not through a timed access technique as provided in the claimed invention. Support for the above recitation can be found at page 16, lines 12-19, of Applicant's specification. Independent Claim 18 recites ". . . a resource manager operable to invalidate outdated data from the local cache to maintain coherence with the processor memory." By contrast, the Barroso, et al. application only discloses invalidating data when the data has changed and not when it is outdated as provided in the claimed invention. Therefore, Applicant respectfully submits that Claims 1-4, 6, 7, 9-13, 15, 16, 18-20, 22, and 24 are not anticipated by the Barroso, et al. application.

Claims 5 and 14 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Barroso, et al. in view of Culler, et al. Independent Claim 1, from which Claim 5 depends, and Independent Claim 9, from which Claim 14 depends, have been shown above to be patentably distinct from the Barroso, et al. application. Moreover, the Culler, et al. paper does not disclose any additional material combinable with the Barroso,

et al. application that would be material to patentability of these claims. Therefore, Applicant respectfully submits that Claims 5 and 14 are patentably distinct from the proposed Barroso, et al. - Culler, et al. combination.

Claims 8 and 17 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Barroso, et al. in view of Sharma, et al. Independent Claim 1, from which Claim 8 depends, and Independent Claim 9, from which Claim 17 depends, have been shown above to be patentably distinct from the Barroso, et al. application. Moreover, the Sharma, et al. patent does not disclose any additional material combinable with the Barroso, et al. application that would be material to patentability of these claims. Therefore, Applicant respectfully submits that Claims 8 and 17 are patentably distinct from the proposed Barroso, et al. - Sharma, et al. combination.

Claims 21, 23, and 25 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Barroso, et al. in view of Bourne, et al. Independent Claim 18, from which Claim 21 depends, and Independent Claim 22, from which Claims 23 and 25 depend, have been shown above to be patentably distinct from the Barroso, et al. application. Moreover, the Bourne, et al. application does not disclose any additional material combinable with the Barroso, et al. application that would be material to patentability of these claims. Therefore, Applicant respectfully submits that Claims 21, 23, and 25 are patentably distinct from the proposed Barroso, et al. - Bourne, et al. combination.

CONCLUSION

Applicant has now made an earnest attempt to place the Application in condition for allowance. For the foregoing reasons and for other reasons clearly apparent, Applicant respectfully requests reconsideration and full allowance of all pending claims.

The Commissioner is hereby authorized to charge any amount required or credit any overpayment to Deposit Account No. 02-0378 of BAKER BOTTS L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P.

Attorneys for Applicant

A handwritten signature in black ink, appearing to read 'Charles S. Fish', is written over the printed name.

Charles S. Fish

Reg. No. 35,870

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CORRESPONDENCE ADDRESS:

2001 Ross Avenue, Suite 600

Dallas, TX 75201-2980

(214) 953-6507

Customer Number: 05073